

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2862	(production near2 leather) or (production with leather with (semi?finish\$3 or intermediate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:21
S2	2196	(production near2 leather).ti. or (production with leather with (semi?finish\$3 or intermediate)).ti. or (production near2 leather).ab. or (production with leather with (semi?finish\$3 or intermediate)).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:11
S3	0	S2 and (polelectrolyte)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:04
S4	12	S2 and (polyelectrolyte)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:06
S6	2196	(production near2 leather).ti. or (production with leather with (semifinish\$2 or semi?finish\$2 or intermediate)).ti. or (production near2 leather).ab. or (production with leather with (semifinish\$2 or semi?finish\$2 or intermediate)).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:05
S7	12	S6 and (polyelectrolyte)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:06
S8	7	S6 and (polyelectrolyte and hydroxylamine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:09
S9	7	S6 and (polyelectrolyte and hydroxylamine and hydrazine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:10
S10	5	((production near2 leather) with polyelectrolyte).ti. or (production with leather with (semi?finish\$3 or intermediate)with polyelectrolyte).ti. or ((production near2 leather) with polyelectrolyte).ab. or (production with leather with (semi?finish\$3 or intermediate)with polyelectrolyte). ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:14

## EAST Search History

S11	5	((production near2 leather) with polyelectrolyte).ti. or (production with leather with (semi?finish\$3 or intermediate)with polyelectrolyte).ti. or ((production near2 leather) same polyelectrolyte).ab. or (production with leather with (semi?finish\$3 or intermediate) same polyelectrolyte). ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:14
S12	4	((production near2 leather) with polyelectrolyte)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:15
S13	6	((production with leather) with polyelectrolyte)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:17
S14	10	((production with leather) with (polyelectrolyte or polacid or polybase or polysalt or electrolyte))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:17
S15	5	((production near leather) with (polyelectrolyte or polacid or polybase or polysalt or electrolyte))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:19
S16	5	S14 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:18
S17	12	((production or manufactur\$3) with leather) with (polyelectrolyte or polacid or polybase or polysalt or electrolyte or polyampholyte))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:23
S18	10377	((production or manufactur\$3) with leather)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:23
S22	62	S18 and (polyelectrolyte or polyacid or polybase or polysalt or polyampholyte)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:24
S23	6	S22 and (lim\$3 and pickle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:25
S25	15	S22 and (hydrazine or hydroxylamine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 15:28

## EAST Search History

S26	8	S25 @ad <= "20020315"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:22
S27	1	("6231926").URPN.	USPAT	AND	ON	2007/08/17 15:31
S28	4779	(((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) near acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) and (hydroxide) and (carbonate) and (hydrazine or hydroxylamine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:16
S29	3908	(((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) near acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) and ((sodium or potassium) near hydroxide) and (carbonate) and (hydrazine or hydroxylamine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:17
S30	3908	(((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) and ((sodium or potassium) near hydroxide) and (carbonate) and (hydrazine or hydroxylamine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 19:38
S32	1	S30 and (acid near plump\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:20
S33	3101	(((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) and ((sodium or potassium) adj hydroxide) and ((sodium or potassium) adj \$2carbonate) and (hydrazine or hydroxylamine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:02
S34	12	S33 and ((production or manufactur\$3) adj (leather or skin or hide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:29

## EAST Search History

S35	10	S34 @ad <= "20020315"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:30
S36	18	(((((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) same ((sodium or potassium) adj hydroxide) same ((sodium or potassium) adj \$2carbonate) same (hydrazine or hydroxylamine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:28
S37	16	S36 @ad <= "20020315"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:28
S38	0	S36 and ((production or manufactur\$3 or treat\$4) adj (leather or skin or hide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:30
S39	28	S33 and ((production or manufactur\$3 or treat\$4) adj (leather or skin or hide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:01
S40	15	S39 @ad <= "20020315"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:33
S41	5	S40 not S35	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:30
S42	439	(8/94.15).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/17 17:31
S43	1	S33 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:31
S44	15	S42 and (((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:32

## EAST Search History

S45	1	S44 and (((((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) same (lim\$3 or bat\$3 or pickl\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:33
S46	15	S44 and (((((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) and (lim\$3 or bat\$3 or pickl\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 17:33
S47	7	S46 @ad <= "20020315"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:18
S48	64513	((production or manufactur\$3 or treat\$4) with (leather or skin or hide or fur or (pickle adj pelt))).ti. or ((production or manufactur\$3 or treat\$4) with (leather or skin or hide or fur or (pickle adj pelt))).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:11
S49	11	S48 and (((((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) and ((sodium or potassium) adj hydroxide) and ((sodium or potassium) adj \$2carbonate) and (hydrazine or hydroxylamine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:12
S50	133162	((production or manufactur\$3 or treat\$4) with (leather or skin or hide or fur or (pickle adj pelt)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:12
S51	65272	((production or manufactur\$3 or treat\$4) near3 (leather or skin or hide or fur or (pickle adj pelt)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:12

## EAST Search History

S52	83	S51 and (((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) and ((sodium or potassium) adj hydroxide) and ((sodium or potassium) adj \$2carbonate) and (hydrazine or hydroxylamine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:17
S53	5	S51 and (((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) and ((sodium or potassium) adj hydroxide) same ((sodium or potassium) adj \$2carbonate) same (hydrazine or hydroxylamine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:14
S56	1	(((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) and (acid near plump\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:16
S57	1	(((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte or electrolyte) and (acid near plump\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:16
S58	0	S51 and (((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) same ((sodium or potassium) adj hydroxide) same ((sodium or potassium) adj \$2carbonate) same (hydrazine or hydroxylamine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:18

## EAST Search History

S59	0	S51 and (((((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) same ((sodium or potassium) adj hydroxide) same ((sodium or potassium) adj \$2carbonate) same (hydrazine or hydroxylamine))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:21
S60	22	S51 and (((((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) same ((sodium or potassium) adj hydroxide) same ((sodium or potassium) adj \$2carbonate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:18
S61	4	S60 @ad <= "20020315"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:29
S62	0	((leather or skin or hide or fur) same (((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) same ((sodium or potassium) adj hydroxide) same ((sodium or potassium) adj \$2carbonate) same (hydrazine or hydroxylamine))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:24
S63	6	((leather or skin or hide or fur) same (((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) same ((sodium or potassium) adj hydroxide) same ((sodium or potassium) adj \$2carbonate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:37
S64	3	((leather or skin or hide or fur) same (((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine or polyelectrolyte) same (hydrazine or hydroxylamine))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:25

## EAST Search History

S65	3	((leather or skin or hide or fur) same (treat\$3 or manufactur\$3 or product\$3) same (((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine) same polyelectrolyte)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:29
S66	0	((leather or skin or hide or fur) near3 (treat\$3 or manufactur\$3 or product\$3) same (((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine) same polyelectrolyte)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:29
S67	42	((leather or skin or hide or fur) near3 (treat\$3 or manufactur\$3 or product\$3) and (((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine) same polyelectrolyte)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:29
S68	30	((leather or skin or hide or fur) near3 (treat\$3 or manufactur\$3 or product\$3) and (((polyvinyl adj (sulfonic or sulfuric)) or polymethacrylic or polyacrylic) adj acid) or polyethyleneimine or polyvinylamine or polyvinylpyridine) with polyelectrolyte)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:29
S69	18	S68 @ad <= "20020315"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:42
S70	0	((leather or skin or hide or fur) near3 (treat\$3 or manufactur\$3 or product\$3) same ((sodium or potassium) adj hydroxide) same ((sodium or potassium) adj \$2carbonate) same (hydraine or hydroxylamine))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:58
S71	7	((leather or skin or hide or fur) near3 (treat\$3 or manufactur\$3 or product\$3) same (hydraine or hydroxylamine))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:40
S72	455	((leather or skin or hide or fur) near (treat\$3 or manufactur\$3 or product\$3) and (hydraine or hydroxylamine))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:41



## EAST Search History

S73	264	S72 and ((hydaine or hydroxylamine) same (formula or structure or compound))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:42
S74	171	S72 and ((hydaine or hydroxylamine) with (formula or structure or compound))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:54
S75	104	S74 @ad <= "20020315"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:59
S76	84	S75 and (hydroxide and (carbonate or dicarbonate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:43
S77	72	S75 and (((sodium or potassium) near hydroxide) and ((sodium or potassium) near (carbonate or dicarbonate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:44
S78	35	S75 and (((sodium or potassium) near hydroxide) same ((sodium or potassium) near (carbonate or dicarbonate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:44
S79	0	S72 and ((hydaine or hydroxylamine) near (anion))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:55
S81	163	(huffer near stephan).in. or (gunther near pabst).in. or (tilman near taeger).in. or (stefan near schroeder).in. or (philippe near lamalle).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:57
S82	61	S81 and ((leather or skin or hide or fur or pelt) with (treat\$3 or manufactur\$3 or product\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 19:00
S83	15	S82 @ad <= "20010315"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 18:59
S84	7	S81 and (((leather or skin or hide or fur or pelt) with (treat\$3 or manufactur\$3 or product\$3)) and (polyelectrolyte or electrolyte))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 19:07

## EAST Search History

S85	2	("0663676").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/17 19:07
S86	2	("6663676").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/17 19:07
S87	7	("4208184"   "4314800"   "4732968"   "4750906"   "5648116"   "6207780").PN. OR ("6663676"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/17 19:07
S88	774	(salt same ((sodium or potassium) near hydroxide) same (carbonate) same (hydrazine or hydroxylamine))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 19:38
S89	150	(salt with ((sodium or potassium) near hydroxide) with (carbonate) with (hydrazine or hydroxylamine))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 19:39
S90	0	(salt with ((sodium or potassium) near hydroxide) with (carbonate) with (hydrazine or hydroxylamine)) same (leather with (treat\$\$ or manufactur\$3 or process\$3 or product\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 19:40
S91	0	(salt with ((sodium or potassium) near hydroxide) with (carbonate) with (hydrazine or hydroxylamine)) same (skin with (treat\$\$ or manufactur\$3 or process\$3 or product\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 19:40
S92	0	(salt with ((sodium or potassium) near hydroxide) with (carbonate) with (hydrazine or hydroxylamine)) same (hide or fur with (treat\$\$ or manufactur\$3 or process\$3 or product\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 19:41
S93	0	(salt with (neaturaliz\$3 near agent) with (hydrazine or hydroxylamine)) same (hide or fur with (treat\$\$ or manufactur\$3 or process\$3 or product\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/08/17 19:41